## We Claim:

1. An appliance for smoothing shirts, comprising:

an inflatable shirt-shaped swelling bag having a bag surface and heating bodies at least one of partially and continuously disposed at said bag surface.

- 2. The appliance according to claim 1, wherein said bag has a body portion, two sleeve portions, and a collar portion.
- 3. The appliance according to claim 2, wherein said heating bodies are disposed in a region of said collar portion.
- 4. The appliance according to claim 2, wherein:

said sleeve portions have ends; and

said heating bodies are disposed in a region of said ends where shirt cuffs are disposed.

5. The appliance according to claim 3, wherein:

said sleeve portions have ends; and

said heating bodies are disposed in a region of said ends where shirt cuffs are disposed.

6. The appliance according to claim 4, wherein:

said body portion has a button tape region and a buttonhole tape region; and

said heating bodies are disposed in a region of said button tape and buttonhole tape regions.

7. The appliance according to claim 5, wherein:

said body portion has a button tape region and a buttonhole tape region; and

said heating bodies are disposed in a region of said button tape and buttonhole tape regions.

- 8. The appliance according to claim 1, wherein said heating bodies are heating filaments.
- 9. The appliance according to claim 8, wherein:

said swelling bag is of cloth; and

said heating filaments are woven into said cloth.

- 10. The appliance according to claim 9, wherein said heating filaments are embroidered into said swelling bag.
- 11. The appliance according to claim 8, wherein:

said swelling bag is of cloth; and

said heating filaments are applied to said cloth.

- 12. The appliance according to claim 8, wherein said heating filaments are applied to said cloth on an inside of said bag.
- 13. The appliance according to claim 8, wherein said heating filaments are applied to said cloth on an outside of said bag.
- 14. The appliance according to claim 1, wherein:

said bag has a base; and

an energy source is disposed in said base and is connected to said heating bodies.

15. The appliance according to claim 1, wherein said heating bodies heat with different radiant-heating capacities in different regions of said bag.

- 16. The appliance according to claim 1, further comprising at least one of temperature sensors and moisture sensors connected to said heating bodies, a temperature setting of said heating bodies being set as a function of at least one of a detected temperature and a detected moisture of a shirt portion to be smoothed.
- 17. The appliance according to claim 1, wherein said heating bodies are electrical resistance heating elements.
- 18. The appliance according to claim 17, wherein said electrical resistance heating elements have a positive temperature coefficient in a temperature range.
- 19. An appliance for smoothing shirts, comprising:

an inflatable shirt-shaped, cloth swelling bag having:

a body portion having a button tape region and a buttonhole tape region;

two sleeve portions with ends;

a collar portion; and

heating filaments at least one of woven into and applied on said cloth of at least one of:

at said collar portion;

at said ends;

at said button tape region; and

at said buttonhole tape region.